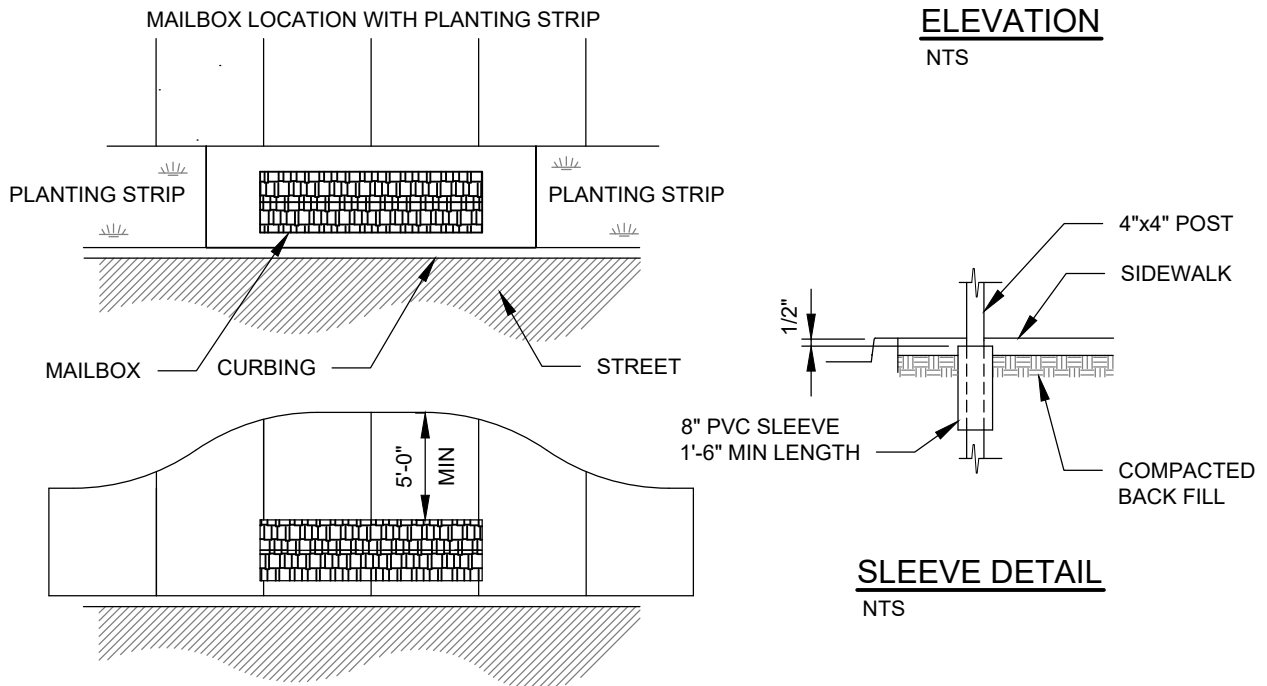
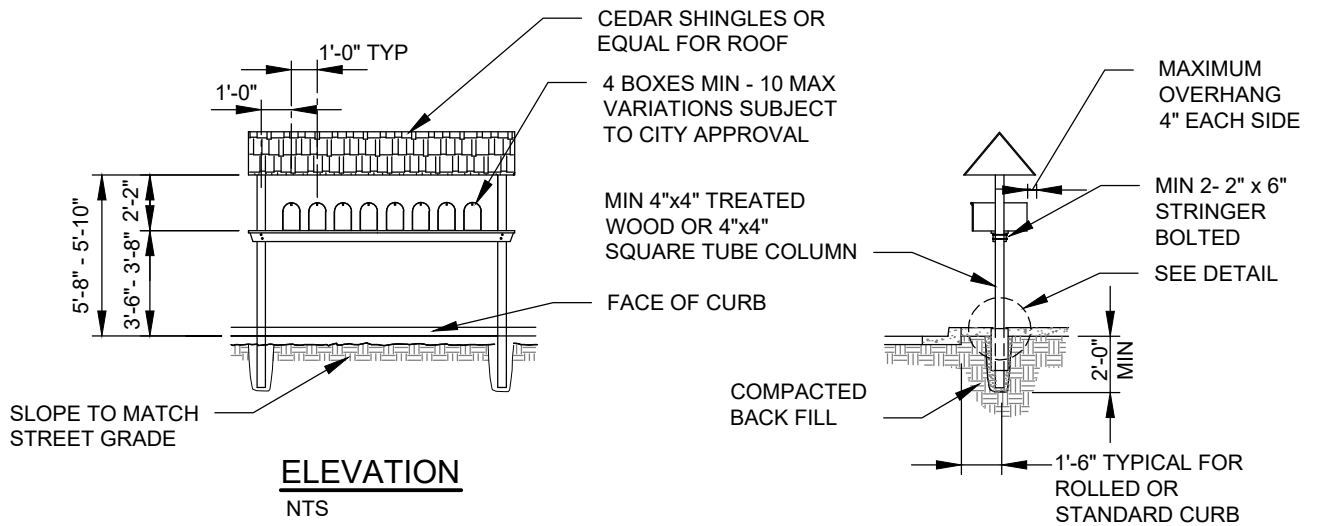


Section 9

Miscellaneous



NOTES:

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD. INNOVATIVE DESIGNS MEETING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE.
4. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
5. CLUSTER BOX UNIT MAILBOXES APPROVED BY UNITED STATES POSTAL SERVICE (USPS) ARE AN ACCEPTABLE REPLACEMENT FOR THIS MAILBOX STANDARD. (SEE STD DETAIL 901A)

Lisa W. Rigg

APPROVED BY: LISA W. RIGG
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



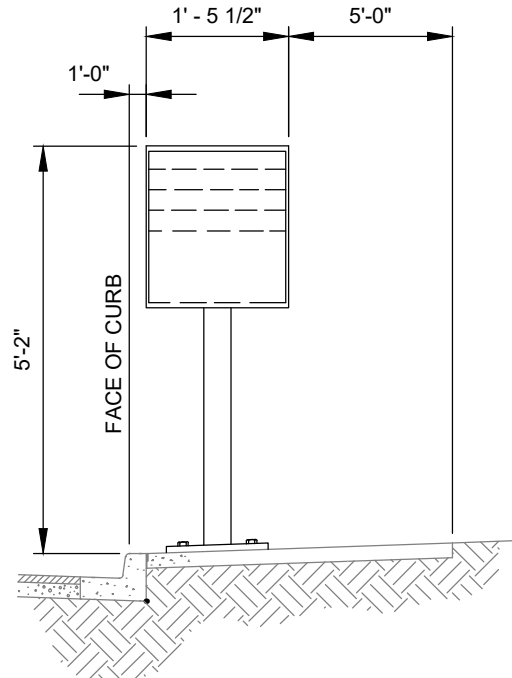
City of Redmond
WASHINGTON

STANDARD DETAILS

MAILBOX STANDARD

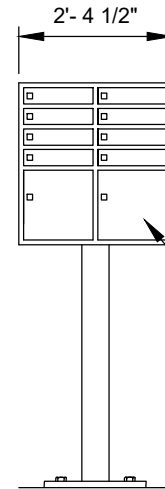
FILE NAME: SD901.DWG

DETAIL NUMBER: 901



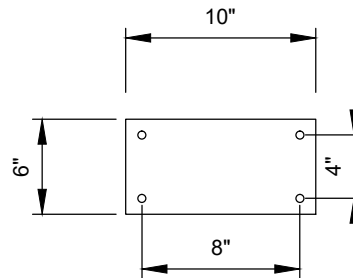
CURB SECTION

NTS



STREET ELEVATION

NTS



**PEDESTAL BOLT
BASE PATTERN**

NTS

NOTES:

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
4. TYPE AND LOCATION OF CLUSTER BOX UNITS (CBU) INCLUDING PEDESTAL, BASE PLATE, BREAKAWAY BOLTS AND ASSOCIATED CONCRETE SLAB SHALL BE APPROVED BY THE U.S. POSTAL SERVICE.
5. INSTALLATION OF CBU WILL BE DONE BY DEVELOPER. CONTACT GLEN MILLEY AT REDMOND POST OFFICE 425-885-0252 FOR A LIST OF SUPPLIERS. FOLLOWING INSTALLATION, POST OFFICE WILL ASSIGN NUMBERS AND INSTALL THEIR LOCKS.
6. OLD MAIL BOXES MUST BE REMOVED TO MEET CITY STANDARDS.

Lisa W. Rigg

APPROVED BY: LISA W. RIGG
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



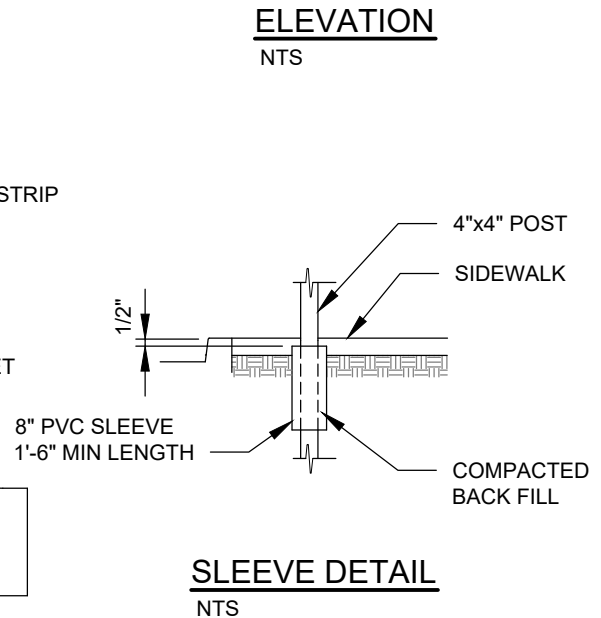
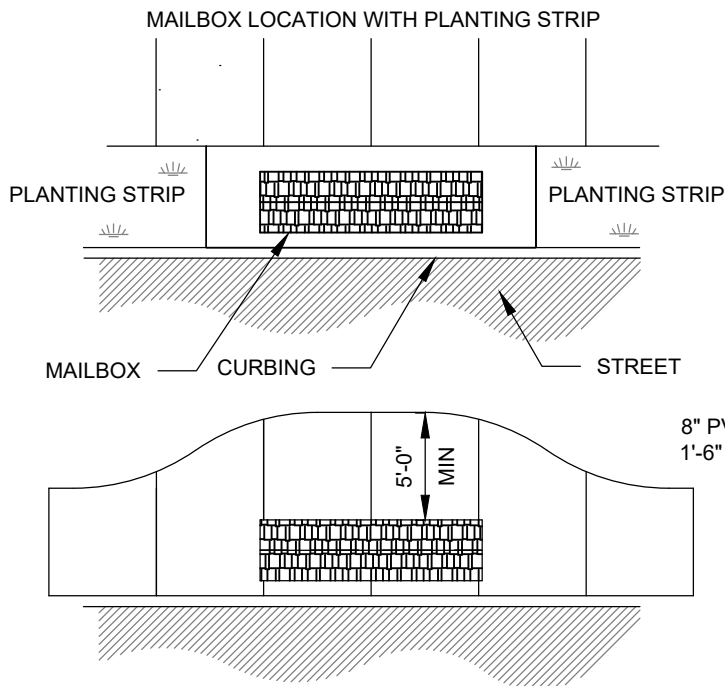
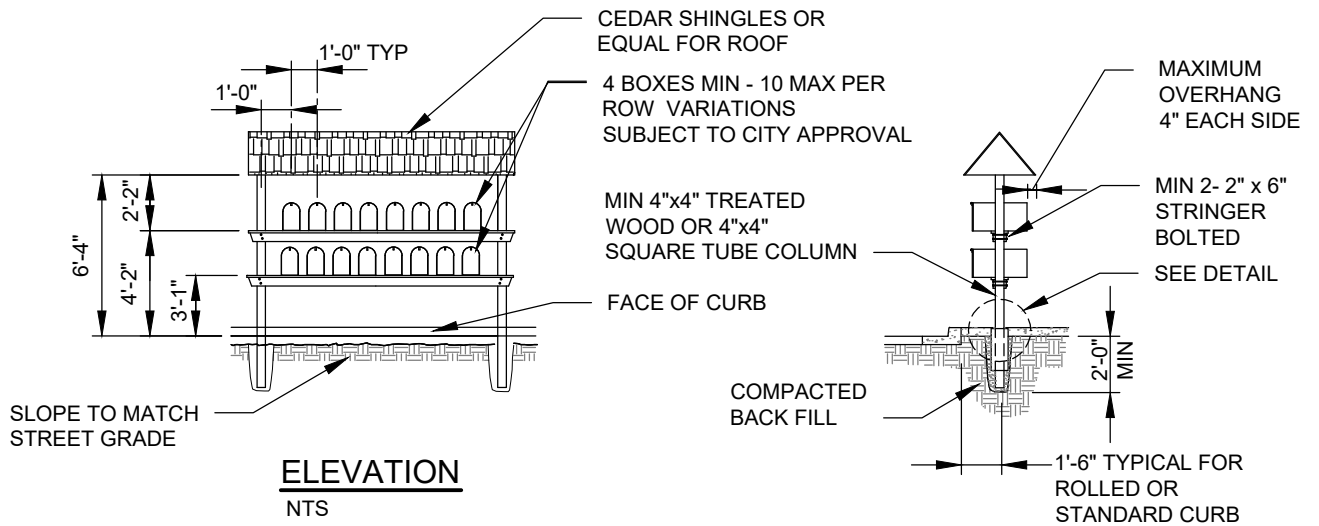
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WASHINGTON

STANDARD DETAILS

**CLUSTER BOX MAILBOX
STANDARD**

FILE NAME: SD901A.DWG

DETAIL NUMBER: 901A



NOTES:

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD. INNOVATIVE DESIGNS MEETING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE.
4. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
5. CLUSTER BOX UNIT MAILBOXES APPROVED BY UNITED STATES POSTAL SERVICE (USPS) ARE AN ACCEPTABLE REPLACEMENT FOR THIS MAILBOX STANDARD. (SEE STD DETAIL 901A)

Lisa W. Rigg
APPROVED BY: LISA W. RIGG
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

DOUBLE MAILBOX STANDARD

FILE NAME: SD902.DWG

DETAIL NUMBER: 902

Diagram of a circular monument cover. The cover is a large circle with a smaller circle in the center. The word "MON" is written vertically on the right side of the cover. An arrow points to the outer edge of the circle, labeled "MONUMENT COVER".

- ### 3. APPROXIMATE WEIGHTS STANDARD:

4. BRASS CAP 2" DIA MINIMUM.

4. BRASS CAP 2" DIA MINIMUM.
5. IF MONUMENT IS LOCATED IN A SOFT AREA, INSTALL A 2' X 2' 4" THICK, CONCRETE PAD WITH CL. 3000 CONCRETE.



CONCRETE MONUMENT

SURVEY MONUMENT CASE AND COVER

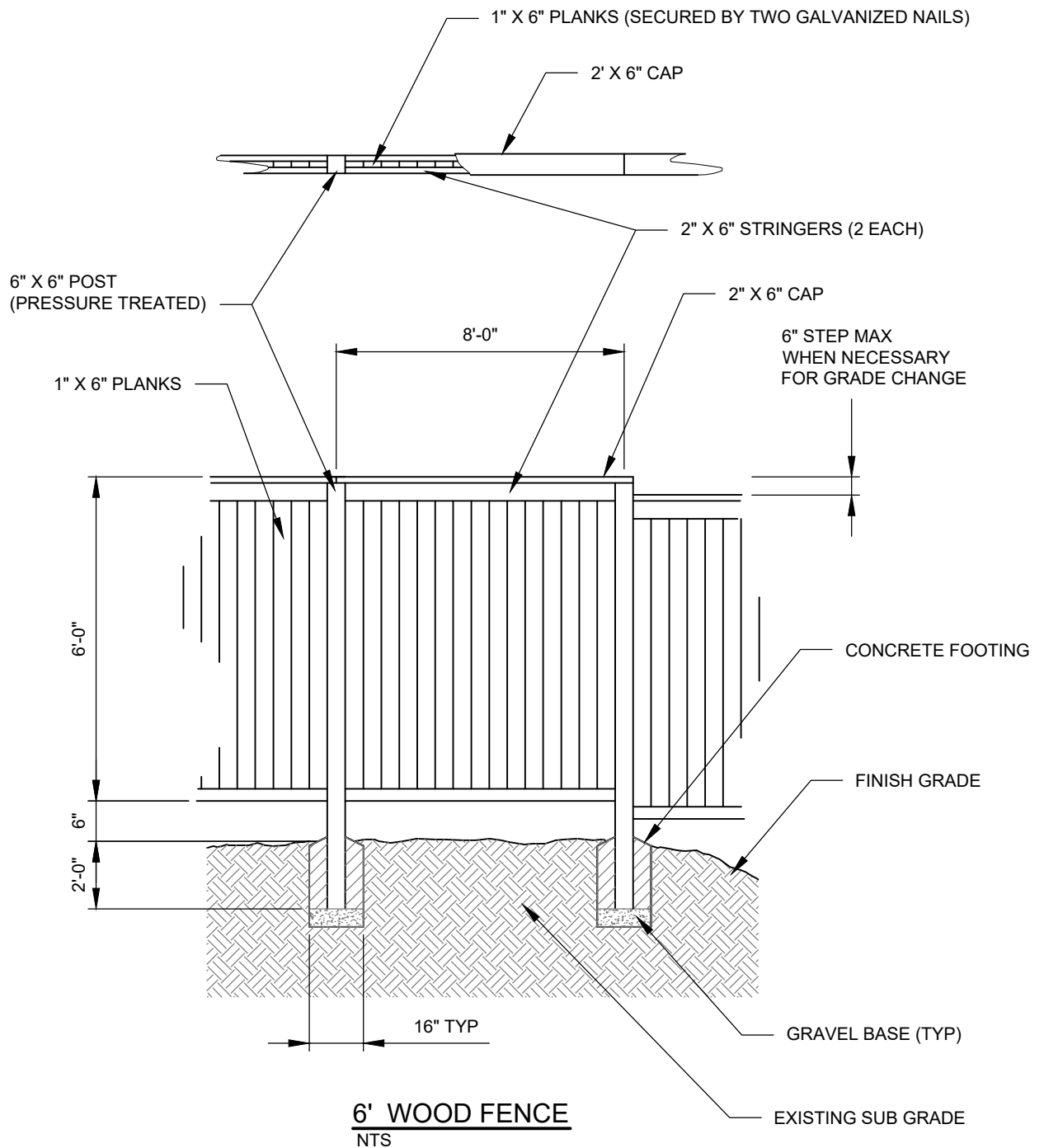
SIN

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

City of Redmond

SURVEY MONUMENT CASE AND COVER

DETAIL NUMBER: **903**



NOTES:

1. 6' X 6" POSTS NEED TO BE PRESSURE TREATED FIR.
2. ALL OTHER WOOD MEMBERS TO BE CEDAR.
3. ALL NAILS USED SHALL BE GALVANIZED.

Lisa W. Rigg

APPROVED BY: LISA W. RIGG
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



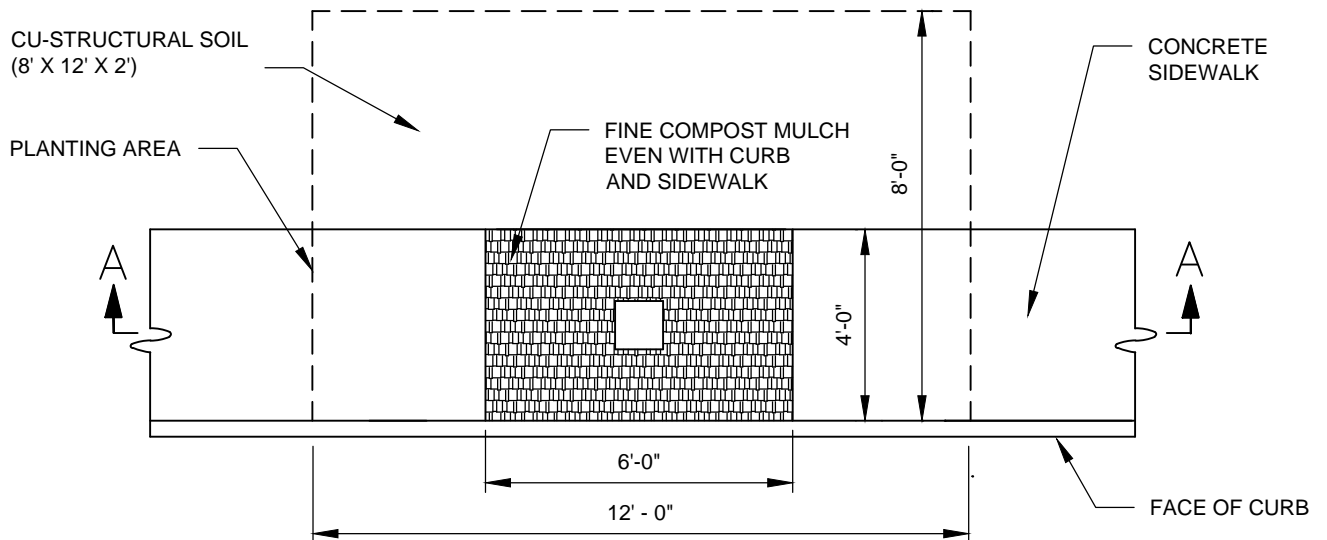
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STANDARD DETAILS

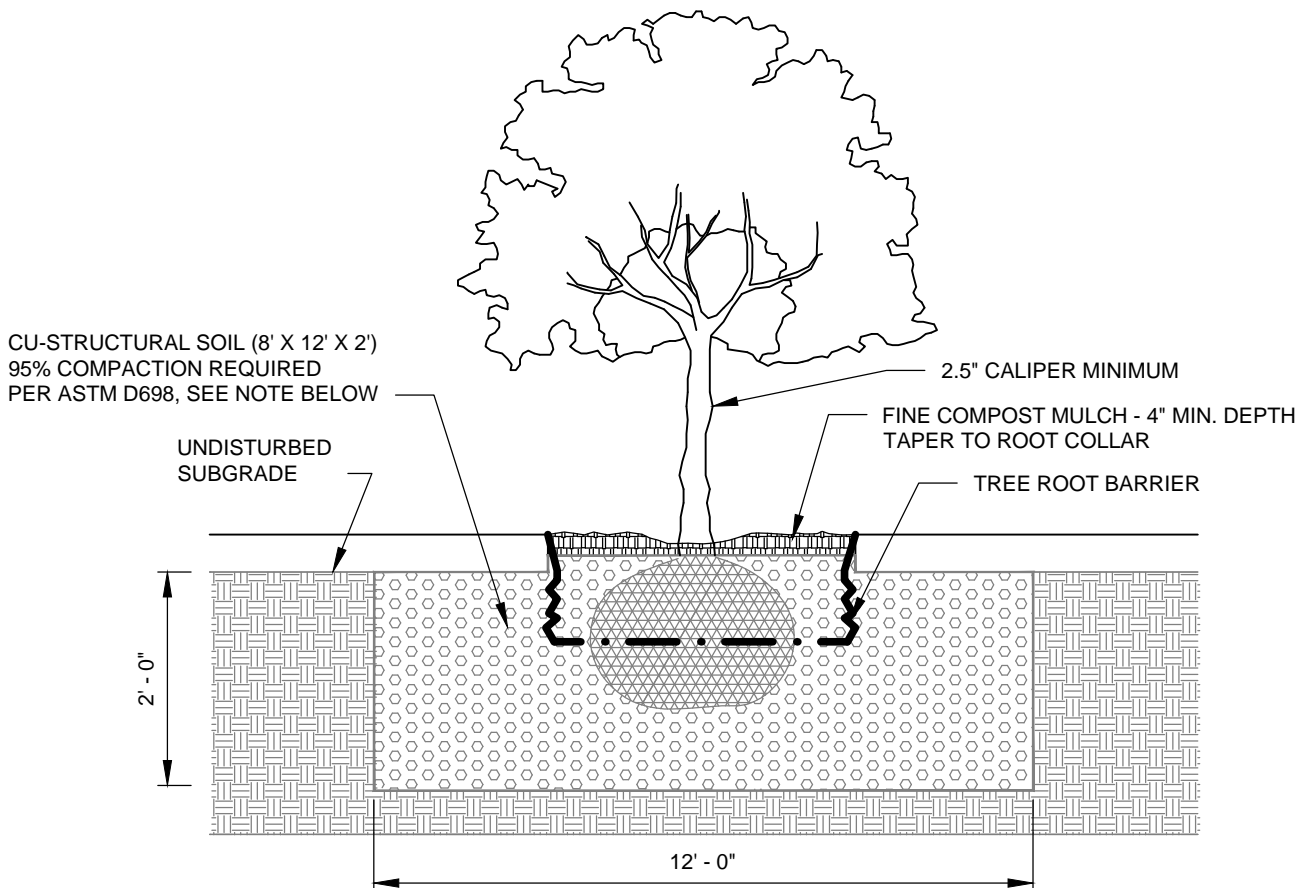
6' WOOD FENCE

FILE NAME: SD904.DWG

DETAIL NUMBER: 904



PLAN VIEW
NTS



NOTE:

CU-STRUCTURAL SOIL SUPPLIED
BY: PACIFIC TOPSOILS INC,
MILL CREEK, WA OR EQUAL

SECTION A-A
NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018



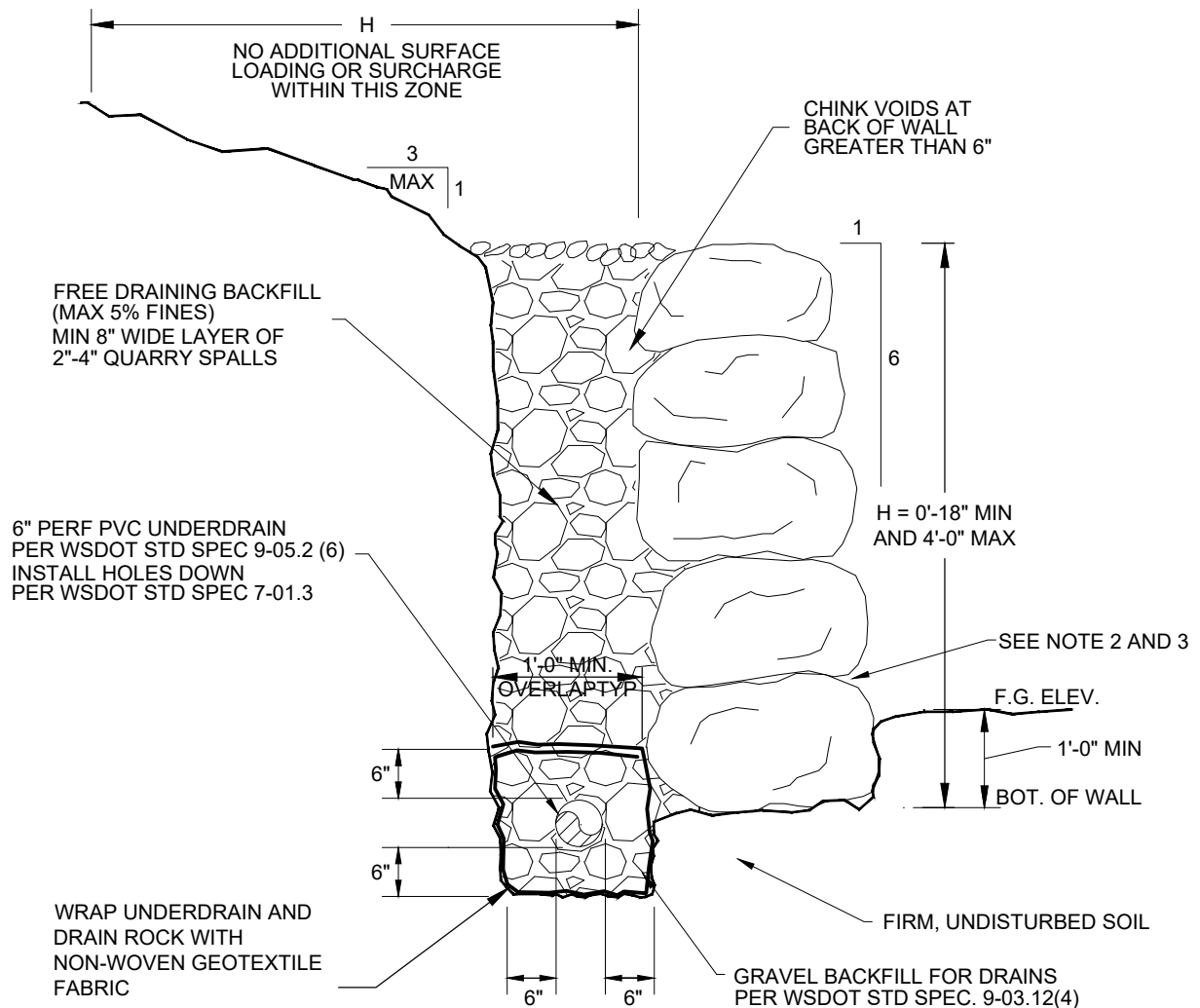
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WASHINGTON

STANDARD DETAILS

**STRUCTURAL SOIL
FOR STREET TREES**

FILE NAME: SD907.DWG

DETAIL NUMBER: 907



NOTES:

1. LONG DIMENSIONS OF THE ROCKS SHALL EXTEND INTO EARTH TO PROVIDE MAXIMUM STABILITY.
2. ROCK SHALL BE PLACED SO AS TO LOCK INTO TWO ROCKS IN THE LOWER TIER.
3. ROCK SHALL BE HARD, SOUND, AND DURABLE MATERIAL, FREE FROM SEAMS, CRACKS, AND OTHER DEFECTS AND SHALL MEET THE REQUIREMENTS OF WSDOT STD. SPEC 9-13.7. SIZE OF ROCK USED SHALL BE IN ACCORDANCE WITH "STANDARD ROCK WALL CONSTRUCTION GUIDELINES" OF THE ASSOCIATED ROCKERY CONTRACTORS (ARC).
4. UNDERDRAIN IS REQUIRED BEHIND ROCK WALL, IF ADJACENT TO CITY RIGHT-OF-WAY, AND HEIGHT (H) GREATER THAN 18 INCHES.
5. UNDERDRAIN SHALL BE TIGHT-LINED TO THE STORM SYSTEM USING CARSON BOXES FOR CLEANOUTS. OTHER DISCHARGE METHODS MAY BE APPROVED BY THE ENGINEER.
6. WHERE NEEDED FOR SAFETY, AT LOCATIONS OF DROPS 30 INCHES OR GREATER, A SAFETY RAILING OF 42 INCH MINIMUM HEIGHT IS REQUIRED, SEE STANDARD DETAIL 321.
7. ROCKERIES MUST BE ACCESSIBLE BY MAINTENANCE VEHICLES.
8. CLEANOUTS WITH CARSON BOXES SHALL BE INSTALLED AT ALL BENDS AND EVER 100 LF.

Lisa W. Rigg

APPROVED BY: LISA W. RIGG
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



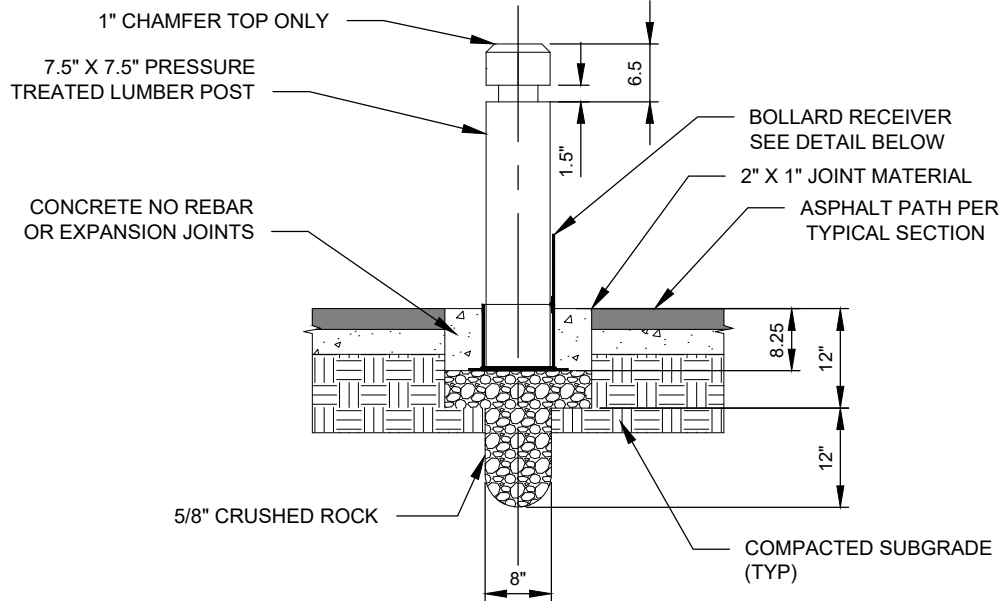
City of Redmond
WASHINGTON

STANDARD DETAILS

ROCK WALL
UNDER 4 FEET

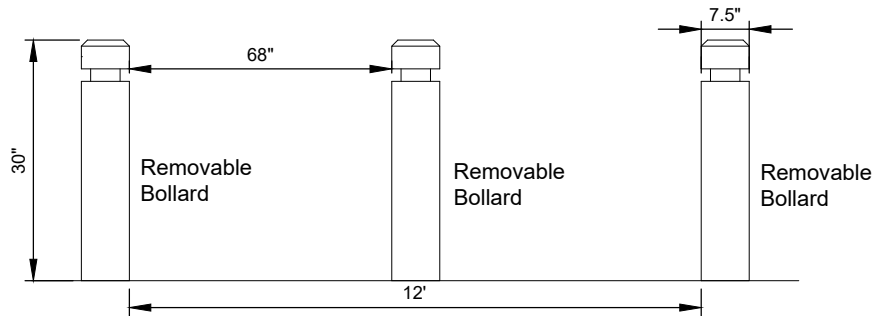
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DETAIL NUMBER: 909



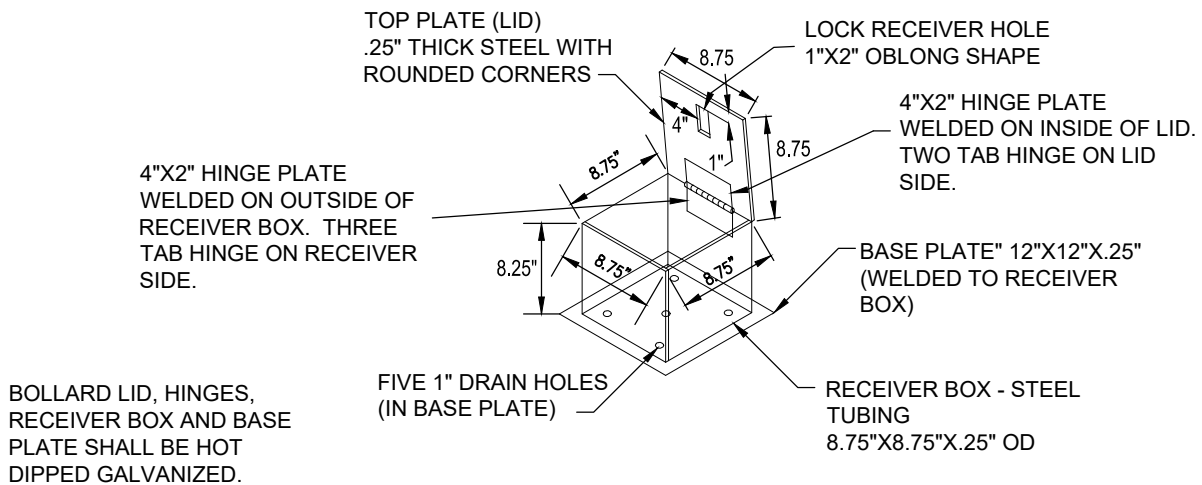
BOLLARD ELEVATION

NTS



BOLLARD SPACING

NTS



REMOVABLE BOLLARD RECEIVER

NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2016



City of Redmond
WASHINGTON

STANDARD DETAILS

BOLLARD

FILE NAME: SD911.DWG

DETAIL NUMBER: 911

① CONTROLLER CABINET - VIT INC. - STRONG BOX
METERED - SB-24SS/120V
NON-METERED - SB-24SS

② RISER PEDESTAL - VIT INC. - STRONG BOX
PED-24SS (12") REQ. ON NON-METERED CABINET

③ FOUNDATION - VIT INC. - STRONGBOX
METERED CABINET - QUICKPAD - QP-M
NON METERED CABINET - QUICKPAD QP-24

④ BACK PANEL - STAINLESS STEEL
FOR WALL AND CABINET MOUNT (TYP.)

⑤ CONTROLLER: RAINBIRD ESP-XX, SAT OR
SITE-W CONTROLLER WITH REMOTE
RECEIVER CARD (#01060UP).

⑥ IF USING ESP-SAT - USE CCU 6 (JR)

⑦ RJ-11 PHONE JACK AND HARDLINE PHONE
SERVICE (REQ.).

⑧ TERMINAL BOX W/ TERMINAL STRIPS.

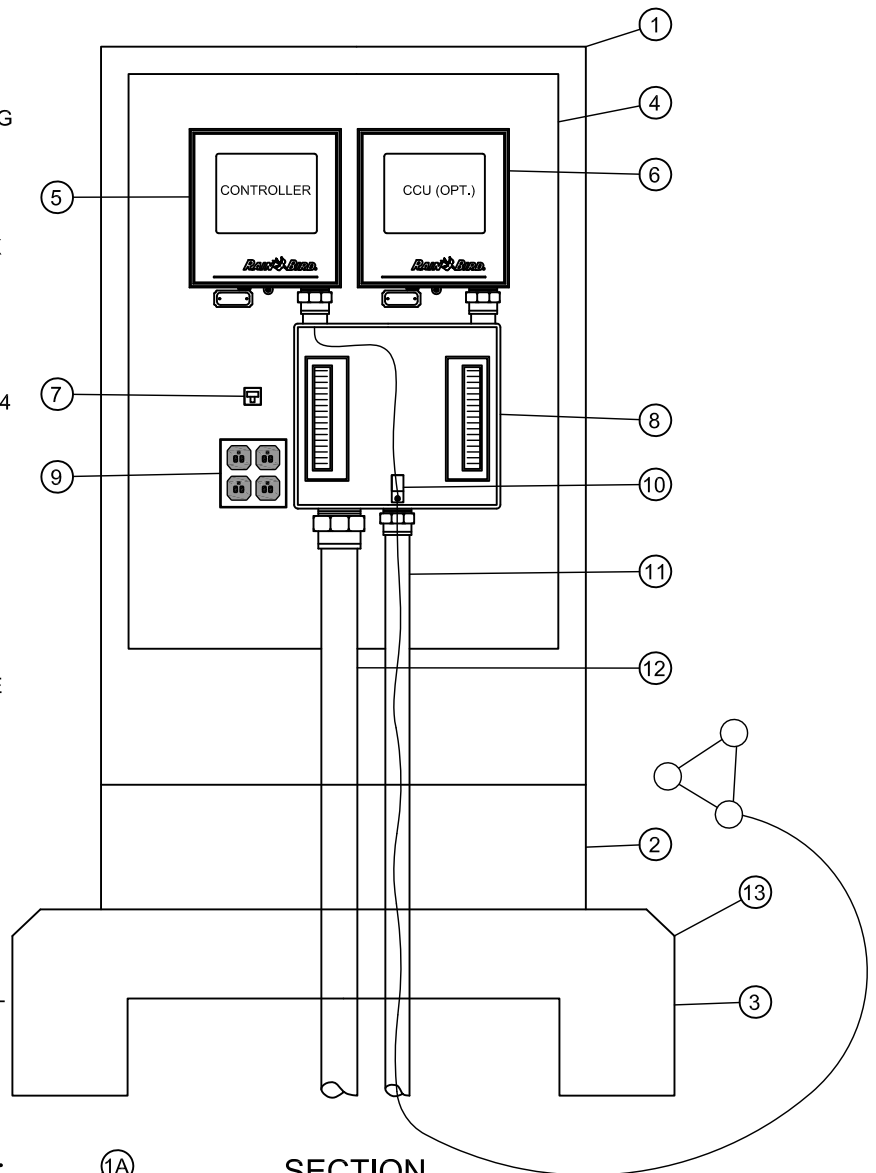
⑨ GFI OUTLET

⑩ GROUND LUG.

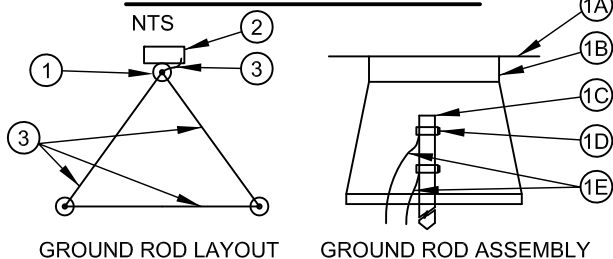
⑪ 1" CONDUIT FOR GROUND WIRE FROM
GROUNDING GRID (TYP.).

⑫ 2" CONDUIT FOR STATION ZONE CONTROL
WIRES

⑬ FINISHED GRADE



GROUND GRID DETAIL



GROUND ROD LAYOUT

GROUND ROD ASSEMBLY

- ① GROUND ROD ASSEMBLY
- ①A FINAL GRADE
 - ①B 8" VALVE BOX
 - ①C 8" COPPER CLAD GROUND ROD
 - ①D GROUND ROD CLAMPS
 - ①E MIN 10-1 BARE COPPER
- ② PROTECTED DEVICE
- ③ BARE COPPER GROUND WIRE

NOTES:

1. MINIMUM 8' SPACING BETWEEN RODS
2. USE 10g (MINIMUM) BARE COPPER WIRE
3. WIRE FROM EQUIPMENT TO FIRST ROD SHOULD BE AS SHORT AND STRAIGHT AS POSSIBLE.
4. USE SEPARATE CLAMP FOR EACH WIRE

SECTION

NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014

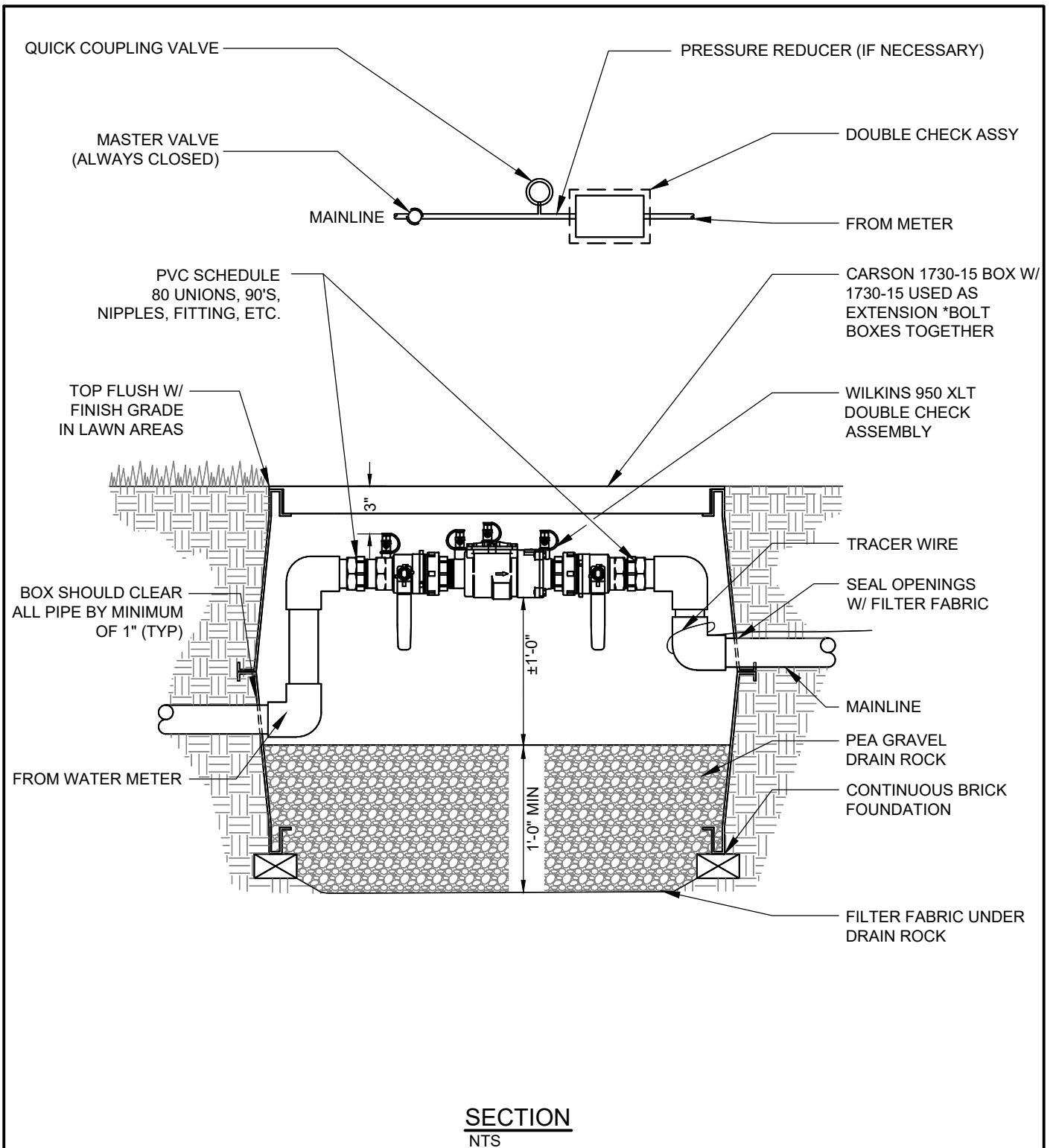


STANDARD DETAILS

IRRIGATION CONTROL PANEL AND CABINET

FILE NAME: SD920.DWG

DETAIL NUMBER: **920**



Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2016



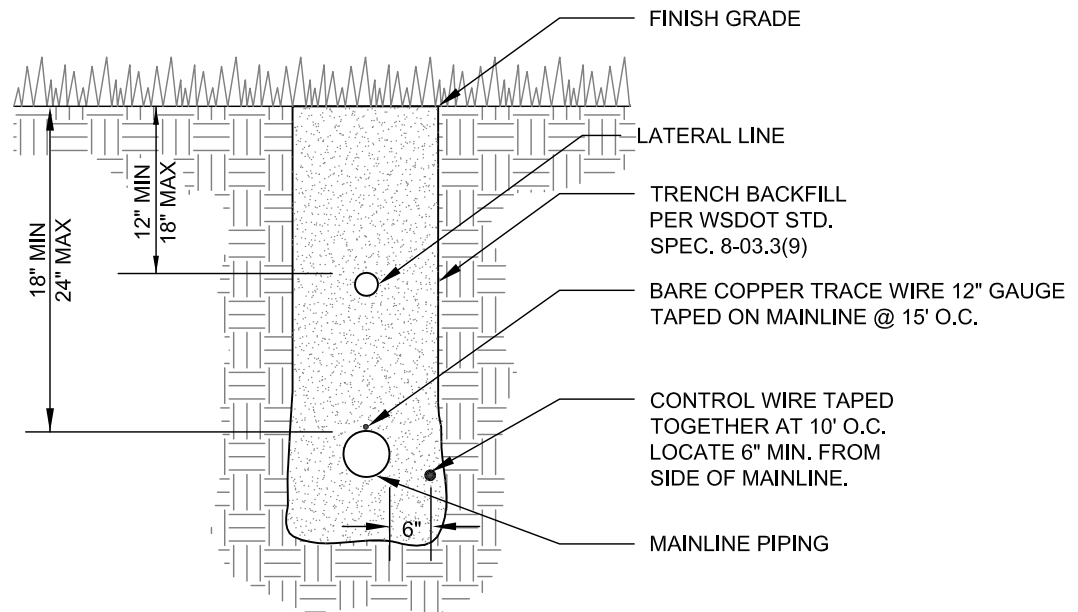
City of Redmond
WASHINGTON

STANDARD DETAILS

PARKS DOUBLE CHECK VALVE

FILE NAME: SD921.DWG

DETAIL NUMBER: 921



SECTION NTS

NOTES:

1. SEE STD. SPEC. 9-15.05 FOR REDMOND PARKS IRRIGATION STANDARDS.

Dave Tucheck

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2017



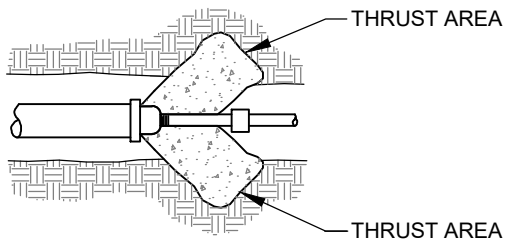
City of Redmond
WASHINGTON

STANDARD DETAILS

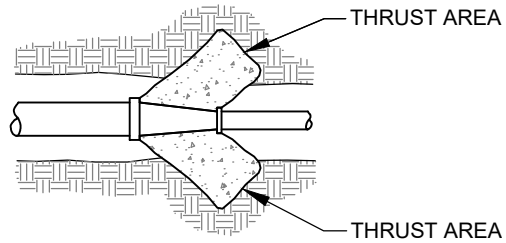
IRRIGATION TRENCH

FILE NAME: SD922.DWG

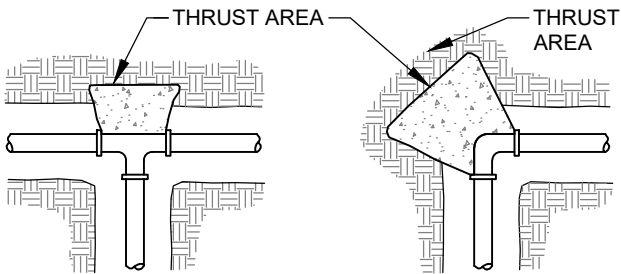
DETAIL NUMBER: **922**



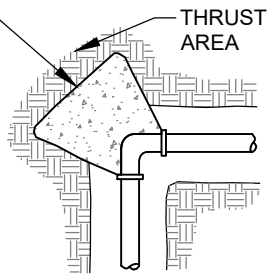
CAPS / PLUGS



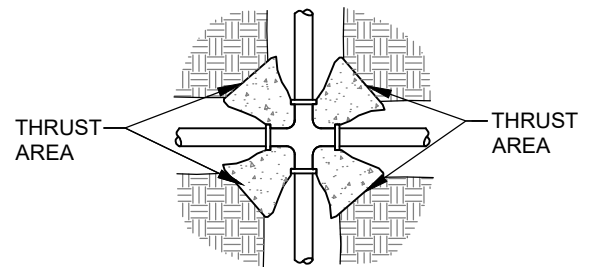
REDUCERS



TEES



ELLS



CROSSES

FITTING SIZES	BEARING AREA OF BLOCK IN SQUARE FEET			
	TEES & ENDS	90° BEND	45° BEND	22.5° BEND
4"	1-1/2	2	1-1/2	1-1/2

ALL BLOCKING SHALL BE POURED AGAINST FIRM UNDISTURBED SOIL.
SOIL BEARING PRESSURE SHALL EXCEED 4,500 LB PER SQUARE FOOT
FOR ABOVE AREAS.

SECTION

NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018

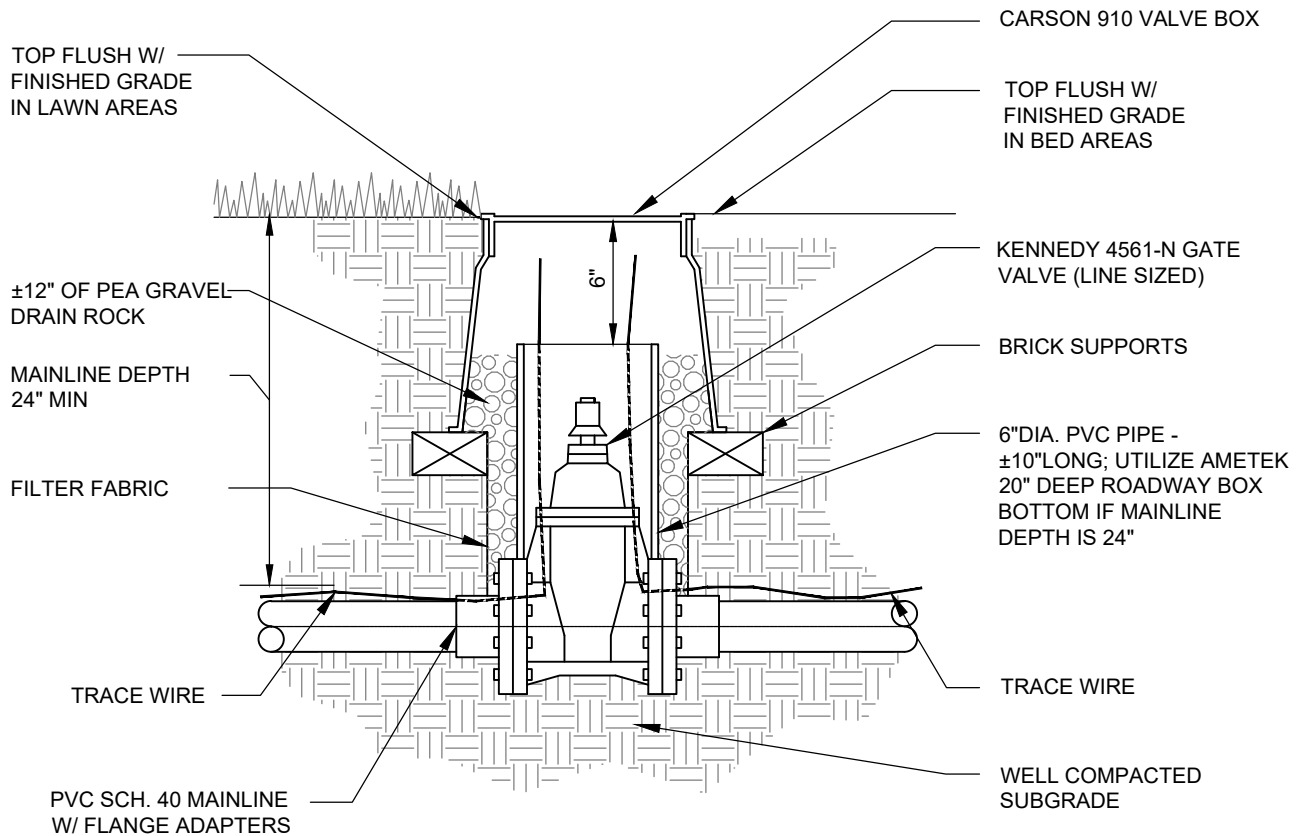


STANDARD DETAILS

IRRIGATION THRUST BLOCK

FILE NAME: SD718.DWG

DETAIL NUMBER: 923



SECTION
NTS

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PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018



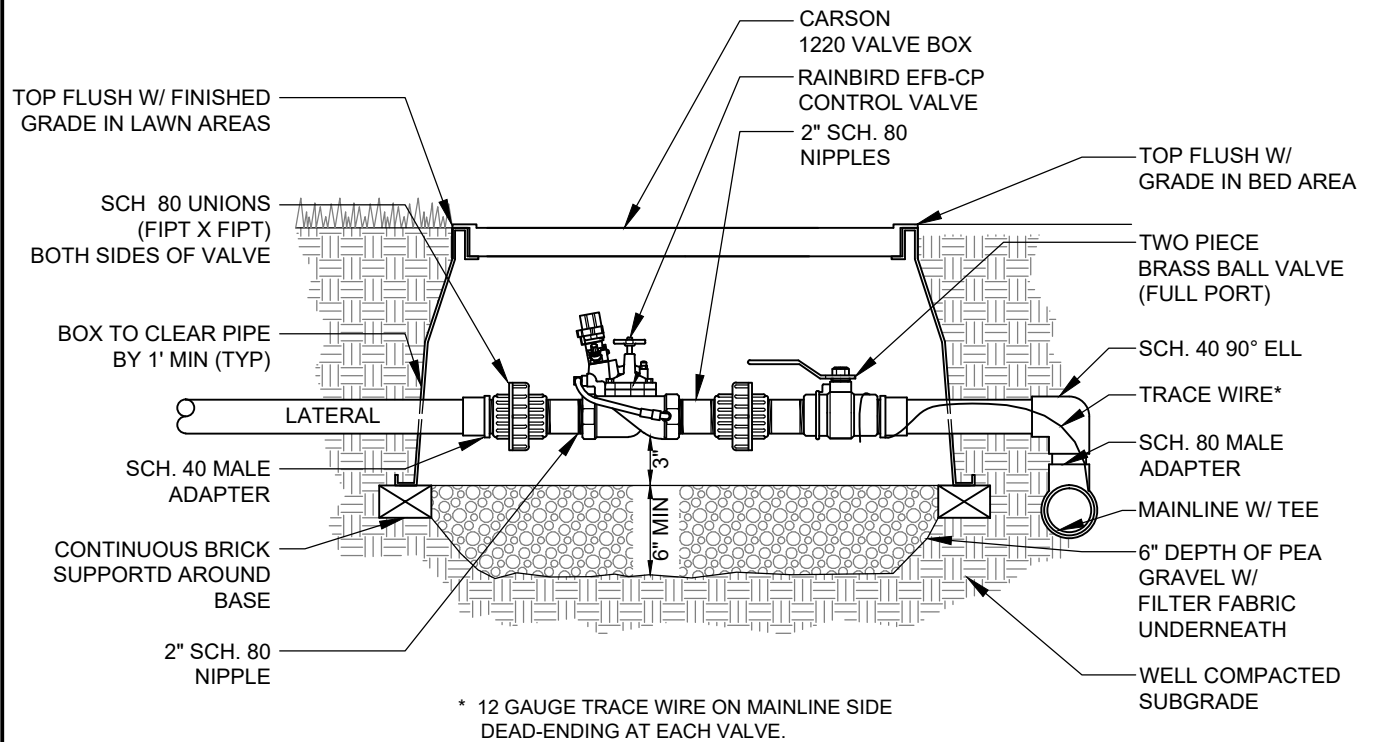
City of Redmond
WASHINGTON

STANDARD DETAILS

IRRIGATION SYSTEM
GATE VALVE

FILE NAME: SD925.DWG

DETAIL NUMBER: 925



SECTION

NTS

NOTES:

1. ALL WIRE INSTALLATIONS WILL BE IN COMPLIANCE WITH APPLICABLE CODES.
2. BUNDLE AND TAPE WIRE EVERY 10 FEET. SET WIRE 6 INCHES FROM MAINLINE.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX.
4. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
5. PLACE FILTER FABRIC OVER OPENINGS (OUTSIDE) TO PREVENT SOIL FROM ENTERING BOX.
6. VALVE BOX SHALL NOT REST ON PIPES. PROVIDE 1 INCH CLEARANCE AROUND ALL PIPES.

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

IRRIGATION CONTROL VALVE

FILE NAME: SD718.DWG

DETAIL NUMBER: 926

TOP FLUSH W/
FINISH GRADE
IN LAWN

6" DEPTH
PEA GRAVEL
DRAIN ROCK

BRICK
SUPPORTS

MAINLINE DEPTH
18" MIN - 24" MAX

TRACER WIRE

MAINLINE TEE
(SLIPXSLIPXSLIP)

6" MIN.

1"Ø-SCH. 40

10" ROUND
VALVE BOX

NOTE: VALVE KEY
HANDLE TO CLEAR TOP
OF BOX BY 2" MINIMUM.

2.5"±
CLEAR

QUICK COUPLING VALVE
1" RAINBIRD 44RC
(NON-LOCKING)

HOSE
CLAMP

FILTER FABRIC

1/2" REBAR SECURED
TO QUICK COUPLER

DURA QC STANDARD UNIBODY
#1-A4-1-11-12
(INCLUDES QUICK LOCK)
INSTALL W/ A 30°-60° RISE FROM
HORIZONTAL PLANE.

SECTION

NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018



City of Redmond
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STANDARD DETAILS

IRRIGATION QUICK COUPLER

FILE NAME: SD718.DWG

DETAIL NUMBER: 927

TOP FLUSH W/
FINISH GRADE
IN LAWN AREAS

FLUSH W/
FINISHED GRADE
IN BED AREA

RAINBIRD 5000 AND
6500 SERIES ROTORS

TRIPLE SWING JOINT
FOR 5000 AND
6500 SERIES

MARLEX MIPT X FIPT
90 DEG. STREET ELLS

12" MIN. - 18" MAX
LATERAL LINE DEPTH

45° OR LESS

LATERAL LINE

SLIP X FIPT X SLIP
LATERAL LINE TEE

MARLEX MIPT X FIPT
90 DEG. STREET ELL

SECTION

NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2016



STANDARD DETAILS

RAINBIRD 5000 AND 6500 SERIES
HEAD AND SWING JOINT

FILE NAME: SD928.DWG

DETAIL NUMBER: 928

TOP FLUSH WITH
FINISH GRADE
IN LAWN AREAS

FLUSH WITH
FINISH GRADE
IN BED AREAS

RAINBIRD
1800 SERIES

RAINBIRD SA SERIES
SWING ASSEMBLY

MARLEX MIPT X FIPT
90 DEGREE STREET ELLS

SCHEDULE 80 NIPPLE (12")

12" MIN - 18" MAX
LATERAL LINE DEPTH

45° OR LESS

LATERAL LINE

SLIP X FIPT X SLIP
MAINLINE TEE

MARLEX MIPT X FIPT
90 DEG. STREET ELL

SECTION
NTS

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2017



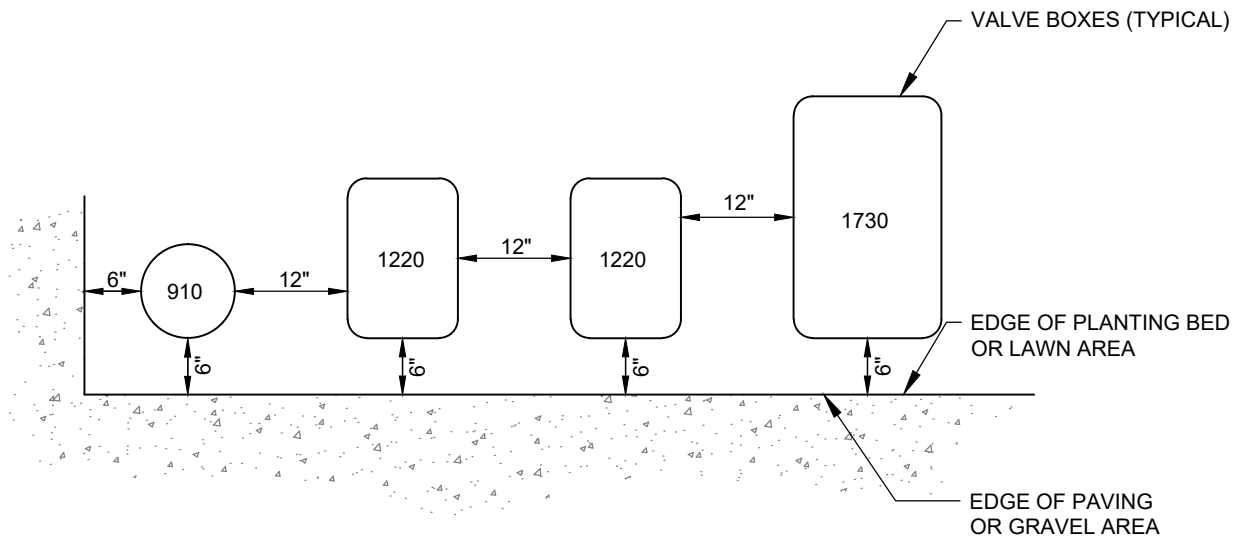
City of Redmond
WASHINGTON

STANDARD DETAILS

RAINBIRD 1800 SERIES
HEAD AND SWING JOINT

FILE NAME: SD929.DWG

DETAIL NUMBER: 929



SECTION

NTS

NOTES:

TO FACILITATE REMOVAL AND SERVICING.

1. CENTER VALVE BOX OVER VALVE
2. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
3. AVOID OVER COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOXES.

Dave Tuckek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2018



City of Redmond
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STANDARD DETAILS

IRRIGATION VALVE BOX INSTALLATION

FILE NAME: SD718.DWG

DETAIL NUMBER: 930